

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. MSQ01-002-CIP-US	Serial No. 10/614,370
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Neil David Hammond Raven	
	Filing Date: July 8, 2003	Group: 1651

U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>DKW</i>	Z1	RE 34,606	05/1994	Estell, et al.			
<i>DKW</i>	Z2	4,994,200	02/1991	Disch, et al.			
<i>DKW</i>	Z3	5,182,204	01/1993	Estell, et al.			
<i>DKW</i>	Z4	5,185,258	02/1993	Caldwell, et al.			
<i>DKW</i>	Z5	5,204,015	04/1993	Caldwell, et al.			
<i>DKW</i>	Z6	5,700,676	12/1997	Bott, et al.			
<i>DKW</i>	Z7	5,763,257	06/1998	Bott, et al.			
<i>DKW</i>	Z8	5,801,038	09/1998	Bott, et al.			
<i>DKW</i>	Z9	6,312,936	11/2001	Poulose, et al.			
<i>DKW</i>	Z10	6,613,505	09/2003	Shih			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>DKW</i>	Y1	0 251 446	01/1988	EP	—	—		
<i>DKW</i>	Y2	0 328 299	08/1989	EP	—	—		
<i>DKW</i>	Y3	0 723 590	12/2004	EP	—	—		
<i>DKW</i>	Y4	1 526 182	04/2005	EP	—	—		
<i>DKW</i>	Y5	WO 00/29849	05/2000	WO	—	—		
<i>DKW</i>	Y6	WO 00/22438	04/2000	WO	—	—		
<i>DKW</i>	Y7	WO 89/06279	07/1989	WO	—	—		
<i>DKW</i>	Y8	WO 95/10615	04/1995	WO	—	—		

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS	
		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
<i>DKW</i>	X1	Bajorath, J., et al., "The enzymatic activity of proteinase K is controlled by calcium", European Journal of Biochemistry, vol. 176, pp. 441-447, (1988).	

*Neil K. War 11/10/04*

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Draw	X2	Bauer, C., et al., "Purification of a PrP-Dimer expressed in E. coli", Infection, P-201, vol. 28, supplement no. 1, pp. 51, (2000).
Draw	X3	Bernouli, C., et al., "Danger of accidental person-to-person transmission of creutzfeldt-jakob disease by surgery", The Lancet, pp. 478-479, (1977).
Draw	X4	Bolton, D.C., et al., "Identification of a protein that purifies with the scrapie prion", Science, vol. 218, pp. 1309-1311, (1982).
Draw	X5	Caughey, B., et al., "Scrapie infectivity correlates with converting activity, pretease resistance, and aggregation of scrapie-associated prion protein in guanidine denaturation studies", Journal of Virology, vol. 71, no. 5, pp. 4107-4110, (1997).
Draw	X6	Cho, H.J., "Requirement of a protein component for scrapie infectivity", Intervirology, vol. 14, pp. 213-216, (1980).
Draw	X7	Cho, H.J., "Inactivation of the scrapie agent by pronase", Can. J. Comp. Med., vol. 47, pp. 494-496, (1983).
Draw	X9	Ebeling, W., et al., "Proteinase K from Tritirachium album limber", European Journal of Biochemistry, vol. 47, pp. 91-97, (1974).
Draw	X10	Hakl, G.D., et al., "Developments in industrially important thermostable enzymes: a review", Bioresource Technology, vol. 89, pp. 17-34, (2003).
Draw	X12	Herbert, R.A., "A perspective on the biotechnological potential of extremophiles", Trends in Biotechnology, vol. 10, pp. 395-402, (1992).
Draw	X13	Hunter, G.D., "The enigma of the scrapie agent: Biochemical approaches and the involvement of membranes and nucleic acids", Slow transmissible diseases of the nervous system, eds: Prusiner & Hadlow, Academic Press, Inc., vol. 2, pp. 365-385, (1979).
Draw	X14	Hunter, G.D., et al., "Attempts to release the scrapie agent from tissue debris", J. Comp. Path., vol. 77, pp. 301-307, (1967).
Draw	X15	Hunter, G.D., et al., "Further studies of the infectivity and stability of extracts and homogenates derived from scrapie affected mouse brains", J. Comp. Path., vol. 79, pp. 101-108, (1969).
Draw	X16	Kocisko, D.A., et al., "Cell-free formation of protease-resistant prion protein", Nature, vol. 370, pp. 471-474, (1994).
Draw	X17	Kristjansson, J.K., "Thermophilic organisms as sources of thermostable enzymes", Trends In Biotechnology, vol. 7, pp. 349-353, (1989).
Draw	X18	Laurenson, I.F., et al., "Contaminated surgical instruments and variant Creutzfeldt-Jakob disease", The Lancet, vol. 354, pp. 1823, (1999).
Draw	X19	Meyer, R.K., et al., "A monomer-dimer equilibrium of a cellular prion protein (PrP <sup>C</sup> ) not observed with recombinant PrP <sup>Sc</sup> ", The Journal of Biological Chemistry, vol. 275, no. 48, issue of December 1, pp. 38081-38087, (2000).
Draw	X20	Millson, G.C., et al., "The physico-chemical nature of the scrapie agent", Slow virus diseases of animals and man, Chapter 11, edited by R.H. Kimberlin, North-Holland Publishing Company, pp. 243-266, (1976).
Draw	X21	NG, T.K., et al., "Industrial applications of thermostable enzymes", Thermophiles: General, Molecular and Applied Microbiology, Brock TD Editor, John Wiley and Sons, chapter 9, pp. 197-215, (1986).
Draw	X22	Priola, S.A., et al., "A 60-kDa prion protein (PrP) with properties of both the normal and scrapie-associated forms of PrP", The Journal of Biological Chemistry, vol. 270, no. 7, Issue of February 17, pp. 3299-3305, (1995).
Draw	X23	Product Description, "Proteinase K", Fermentas Life Sciences, <a href="http://www.fermentas.com/profiles/modifyingenzymes/pdf/protk0491.pdf">http://www.fermentas.com/profiles/modifyingenzymes/pdf/protk0491.pdf</a> , 3 pages, (2004).
Draw	X24	Sarath, G., et al., "Protease assay methods", Proteolytic enzymes, Practical Approach, (ed. By Beynon, R.J., and Bond, J.S., Oxford University Press, New York, Oxford, pp. 25-55, (1989).
Draw	X25	Prusiner, S.B., et al., "Further purification and characterization of scrapie prions", Biochemistry, vol. 21, no. 26, pp. 6942-6950, (1982).
Draw	X26	Prusiner, S.B., et al., "Gel electrophoresis and glass permeation chromatography of the hamster scrapie agent after enzymatic digestion and detergent extraction", Biochemistry, vol. 19, no. 21, pp. 4892-4898, (1980).

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<i>DeW</i>	X27	Prusiner, S.B., et al., "Electrophoretic properties of the scrapie agent in agarose gels", Proc. Natl. Acad. Sci. USA, Microbiology, vol. 77, no. 5, pp. 2984-2988, (1980)
<i>DeW</i>	X28	Prusiner, S.B., et al., "Partial purification and evidence for multiple molecular forms of the scrapie agent", Biochemistry, vol. 17, no. 23, pp. 4993-4999, (1978).
<i>DeW</i>	X29	Sharp, R.J., et al., "Isolation and growth of hyperthermophiles", Applied Microbial Physiology: A Practical Approach, Ch. 2, Eds. Stanbury and Rhodes, OUP, pp. 23-52, (1997).
<i>DeW</i>	X30	Raymond, G.J., et al., "Molecular assessment of the potential transmissibilities of BSE and scrapie to humans", Nature, vol. 388, pp. 285-288, (1997).
<i>DeW</i>	X31	Rubenstein, R., et al., "Concentration and distribution of infectivity and PrP <sup>Sc</sup> following partial denaturation of a mouse adapted and a hamster-adapted scrapie strain", Archives of Virology, vol. 139, pp. 301-311, (1994).
<i>DeW</i>	X32	Safar, J., et al., "Molecular mass, biochemical composition, and physicochemical behavior of the infectious form of the scrapie precursor protein monomer", Proc. Natl. Acad. Sci. USA, vol. 87, pp. 6373-6377, (1990).
<i>DeW</i>	X33	Siezen, R.J., et al., "Homology modeling and protein engineering strategy of subtilases, the family of subtilisin-like serine proteinases", Protein Engineering, vol. 4, no. 7, pp. 719-737, (1991).
<i>DeW</i>	X34	Taylor, D.M., "Inactivation of prions by physical and chemical means", Journal of Hospital Infection, vol. 43 (supplement), pp. S69-S76, (1999).
<i>DeW</i>	X35	Taylor, D.M., et al., "Decontamination studies with the agents of bovine spongiform encephalopathy and scrapie", Archives of Virology, vol. 139, pp. 313-326, (1994).
<i>DeW</i>	X36	Wille, H., et al., "Separation of scrapie prion infectivity from PrP amyloid polymers", J. Mol. Biol., vol. 259, pp. 608-621, (1998).
<i>DeW</i>	X37	Corrected Evidence in Support, All opposition proceedings filed in corresponding Australian Opposition, January 20, 2008.

*DeW* 11/20/2008